

We Claim:

1. A security system for monitoring danger parameters, comprising at least one danger sensor and a central unit wirelessly connected to the at least one danger sensor, wherein the at least one danger sensor has a communication module having uniform dimensions and shape for different sensor types, and wherein the communication module includes means for attaching the danger sensor to a mounting plate.

2. The security system according to claim 1, wherein the communication module is designed for connection of a detection module for danger parameters, said detection modules being provided for different danger parameters and which can be connected to any communication module.

3. The security system according to claim 1, wherein for installation in a monitored room, the mounting plate is installed at prescribed points, and the at least one danger sensor is attached to the mounting plate by means of the corresponding communication module.

4. The security system according to claim 1, further comprising means associated with the communication module for protecting the at least one danger sensor against unauthorized removal.

5. The security system according to claim 1, wherein the mounting plate has a straight guide with means for preventing removal, and that the at least one danger sensor is attached to the mounting plate by directing the sensor into the straight guide in a vertical direction.

6. A danger sensor for a security system having a wireless communication, comprising a communication module and a detection module, where the communication module has a mechanical and electrical/electronic interface with the detection module, and by which the danger sensor is attached to a mounting plate.

7. The danger sensor according to claim 6, wherein the communication module has substantially the same dimensions and same shape for all applicable detection modules.

8. The danger sensor according to claim 6, wherein the interface comprises a mechanical connection means and an electrical plug connection.

9. The danger sensor according to claim 8, wherein the mechanical connection device has a straight guide and a stop which are structured and arranged so that on creation of the mechanical connection, the electrical plug connection is also created.

10. The danger sensor according to claim 9, wherein the mechanical connection device is arranged on steps designed to be complementary on the communication and detection modules, and wherein in the installed state of the danger sensor, the step of the detection module is covered by the step of the communication module.

11. The danger sensor according to claim 6, wherein the communication module has guide means which can be directed into a corresponding straight guide of the mounting plate, and further comprising locking means for fixing the sensor to the mounting plate.

12. The danger sensor according to claim 6, wherein a contact switch is arranged on the communication module and which forms a part of a sabotage detector to trigger an alarm on unauthorized removal of the danger sensor or one of its modules from the wall.

13. The danger sensor according to claim 12, wherein a web is attached to a wall carrying the mounting plate and broken-out of the mounting plate, which forms another part of the sabotage detector, and closes a contact switch on the danger sensor.